

FIG. 1A  
CONVENTIONAL  
ART

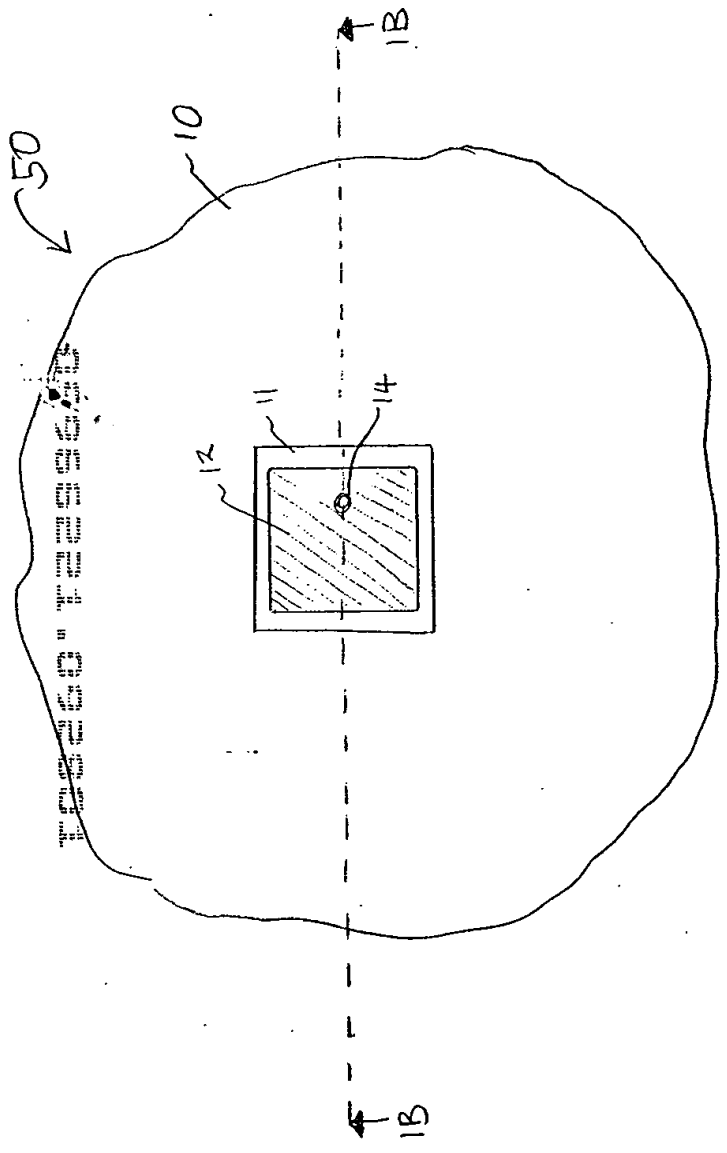
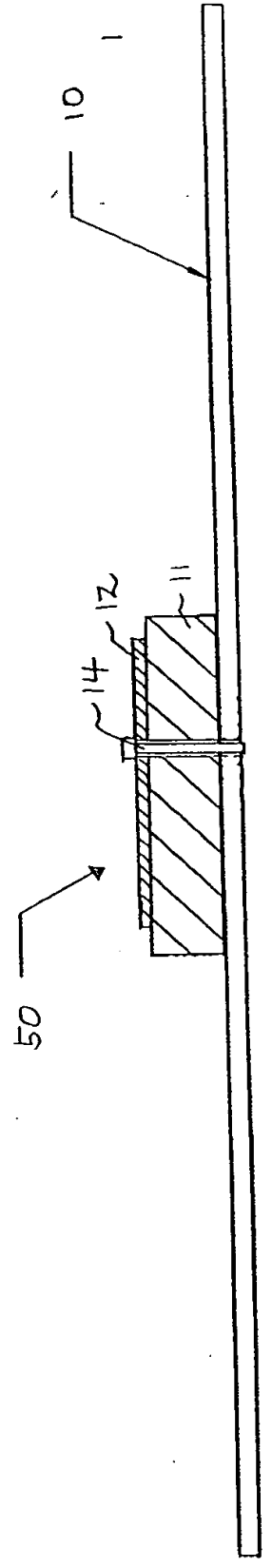


FIG. 1B  
CONVENTIONAL  
ART



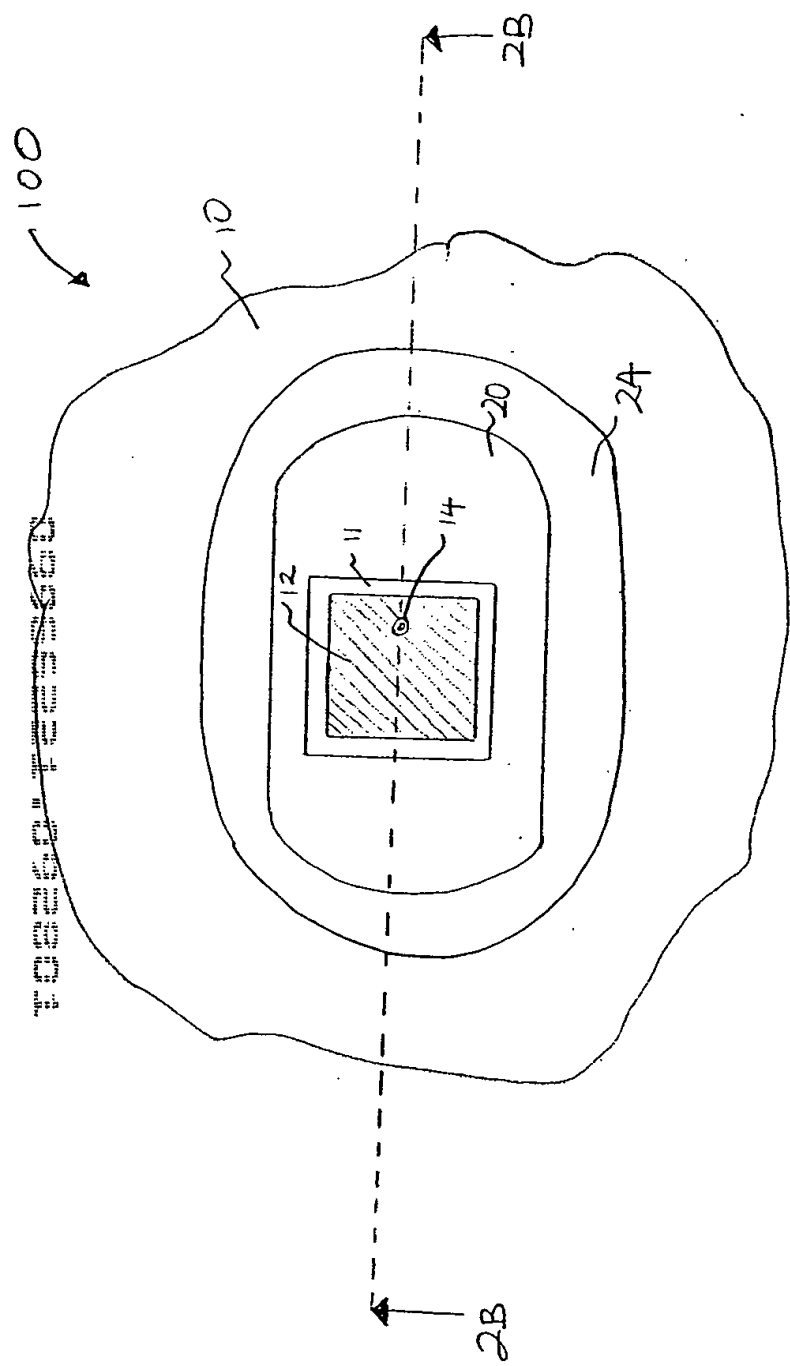


FIG. 2B

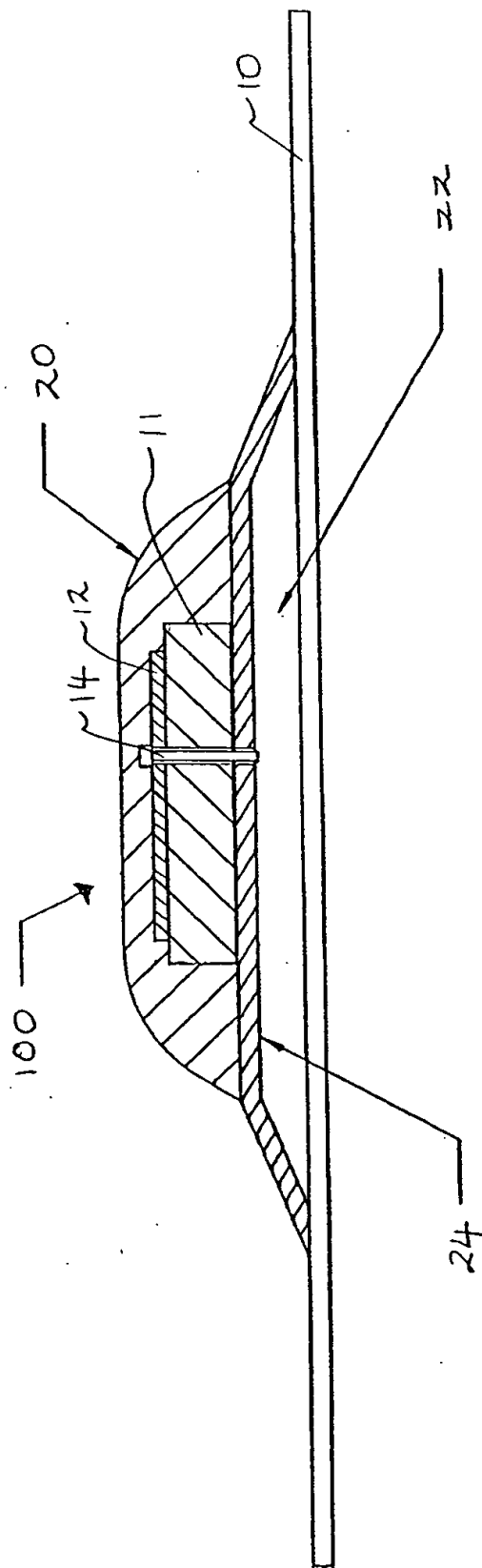
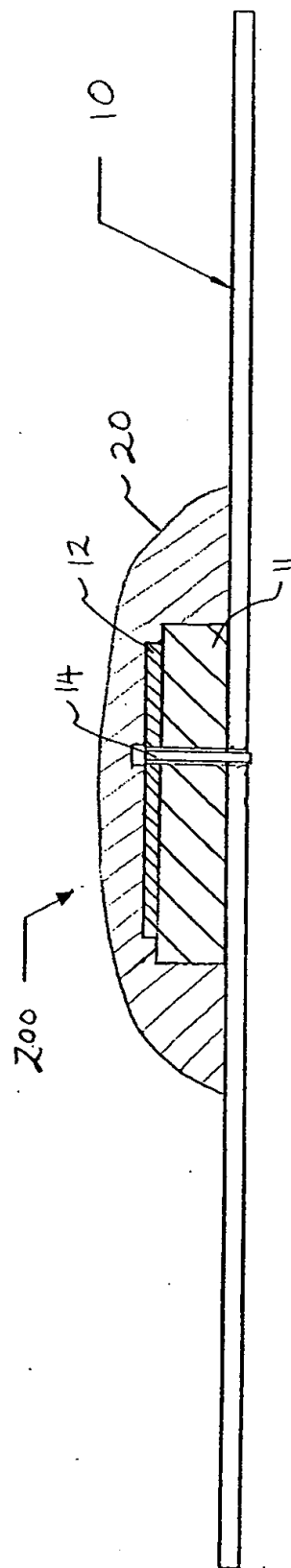


FIG. 3

FIG. 3



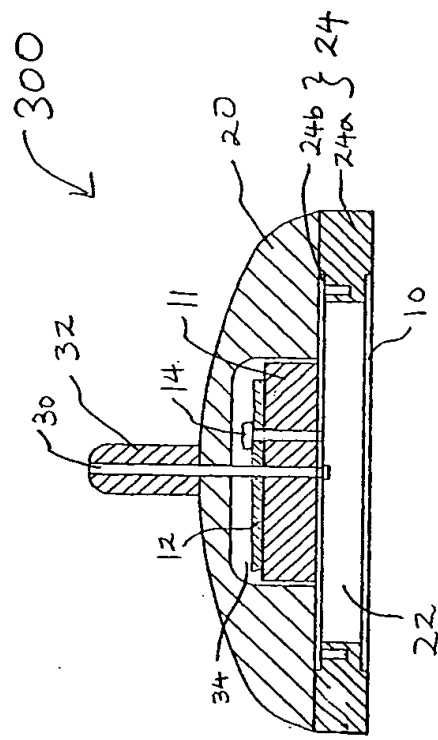


FIG. 4

FOR 1000' TOWER  
 Zenith Gain = 3dB  
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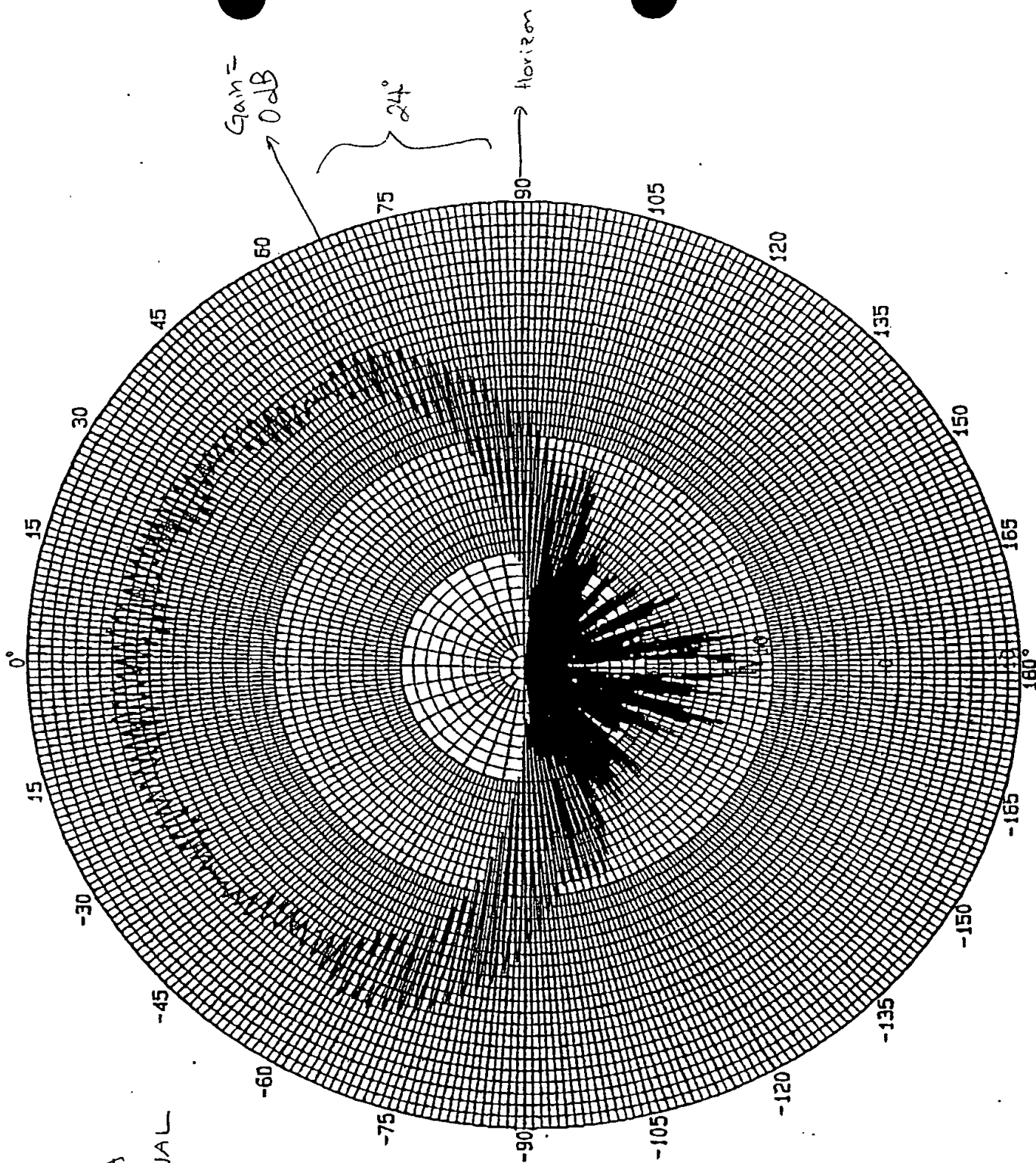


FIG. 5A  
 CONVENTIONAL  
 ART

GAIN MAGNITUDE DBI VS AZIMUTH ANGLE

Zenith Gain = 3 dB  
 0 dB →

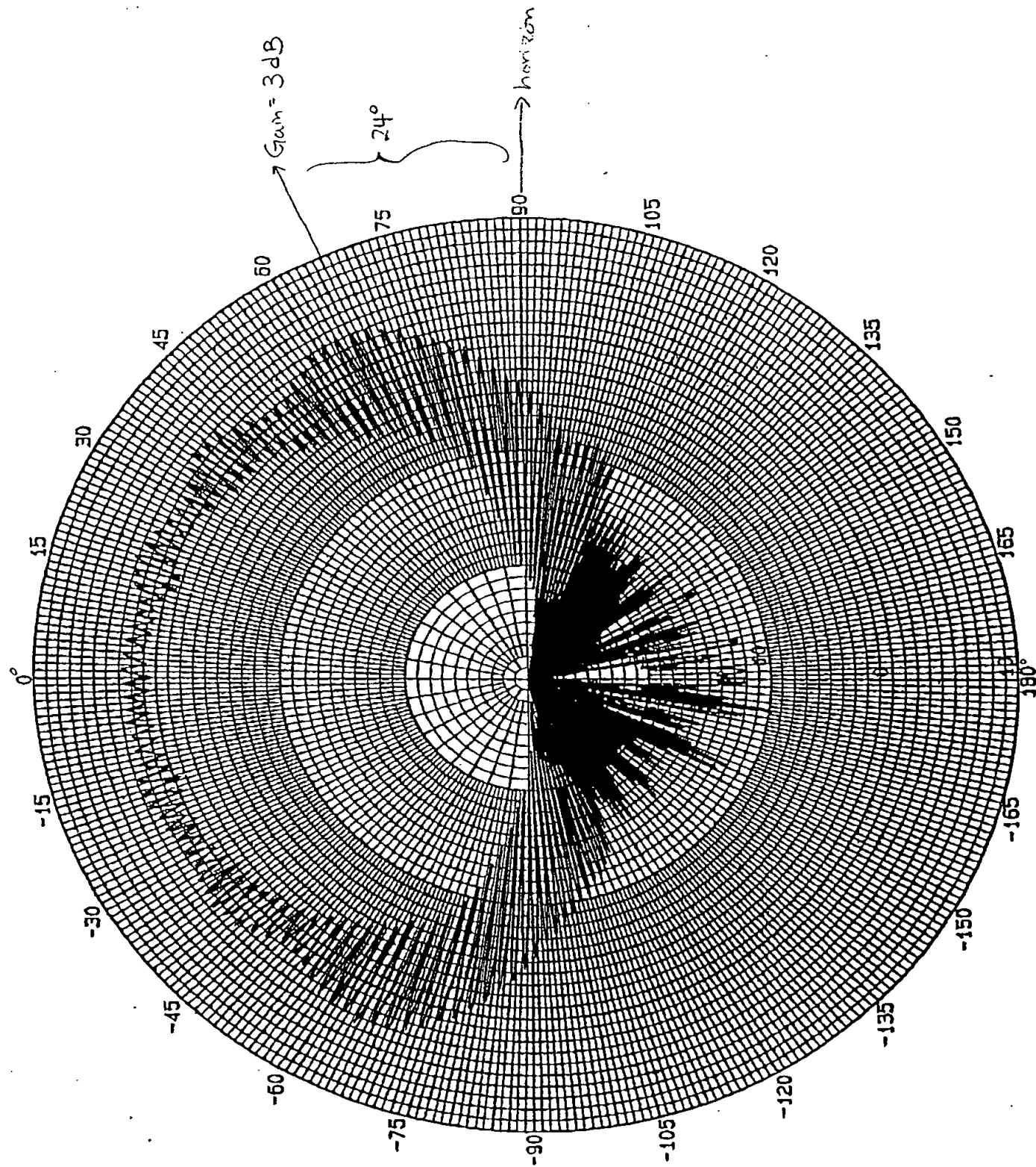
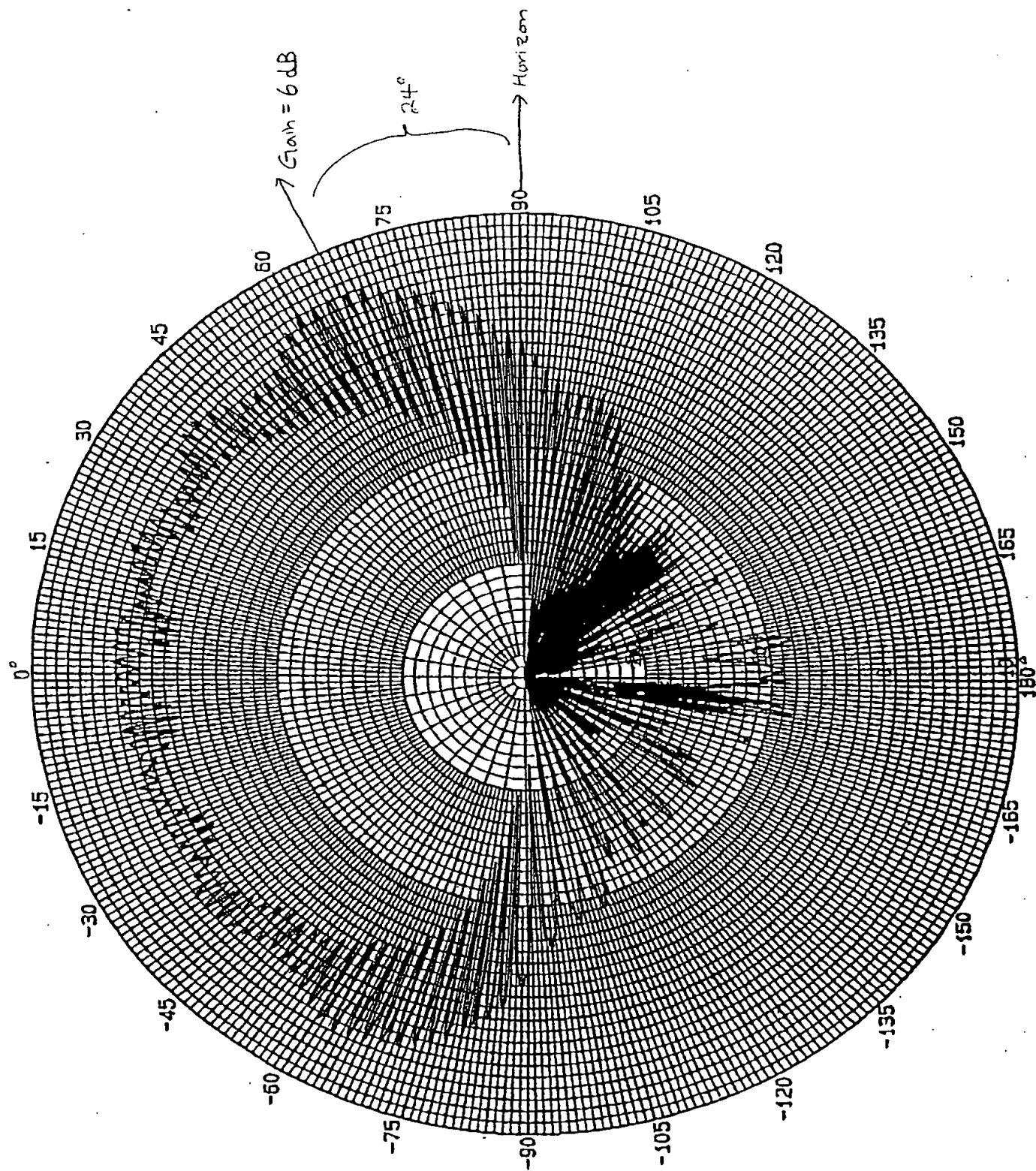


FIG. 5B  
 CONVENTIONAL  
 ART

GAIN Magnitude dB vs AZIMUTH ANGLE

FIG. 6A



### GAIN Magnitude dBi VS AZIMUTH ANGLE

Zenith  $G_{\text{am}} = 3\text{dB}$

10000 10000 10000 10000 10000

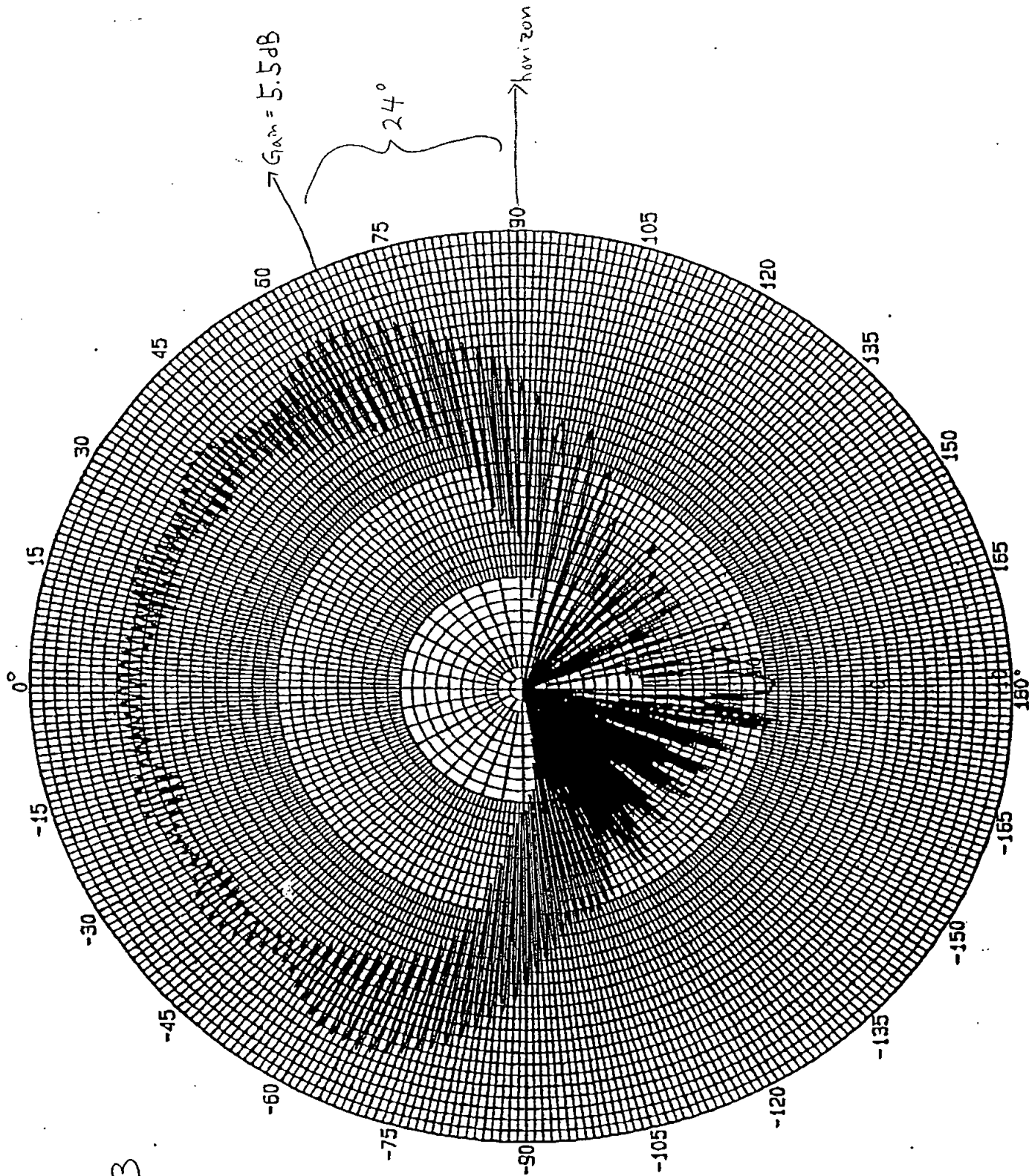


FIG. 6B

GAIN Magnitude dBi Vs. AZIMUTH ANGLE